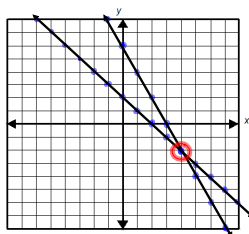
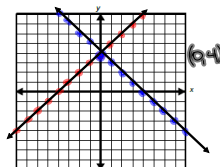


$$1) \begin{cases} 2x + y = 6 \\ x + y = 2 \end{cases} \Rightarrow \begin{cases} y = -2x + 6 \\ y = -x + 2 \end{cases}$$

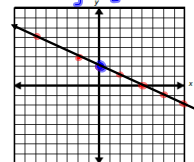


$(4, -2)$

$$1) \begin{cases} y = x + 4 \\ y + x = 4 \end{cases} \Rightarrow y = -x + 4$$

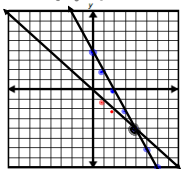


$$2) \begin{cases} \frac{1}{2}x + y = 2 \\ 2y + x = 4 \end{cases} \Rightarrow \begin{cases} y = -\frac{1}{2}x + 2 \\ y = -\frac{1}{2}x + 2 \end{cases}$$

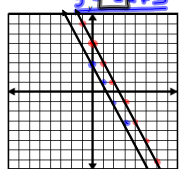


Consistent
Dependent

$$3) \begin{cases} x + y = 0 \\ y + 2x = 4 \end{cases} \Rightarrow \begin{cases} y = -x \\ y = -2x + 4 \end{cases}$$

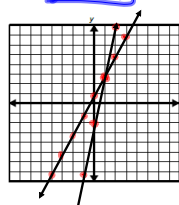


$$4) \begin{cases} 2x + y = 5 \\ 4x + 2y = 6 \end{cases} \Rightarrow \begin{cases} y = -2x + 5 \\ y = -2x + 3 \end{cases}$$



Inconsistent

$$5) \begin{cases} 5x - y = 2 \\ 2x - y = 1 \end{cases} \Rightarrow \begin{cases} y = 5x - 2 \\ y = 2x - 1 \end{cases}$$



$$6) \begin{cases} 6x + 4y = 12 \\ 3x - y = -3 \end{cases} \Rightarrow \begin{cases} y = -\frac{3}{2}x + 3 \\ y = 3x + 3 \end{cases}$$

